

Motorcicleta (Modelo WLA HARley - Davidson).

ENGLISH to SPANISH, Training Manual, Motorcycle, Solo
(Harley-Davidson WLA), TM 9-879, 30 Apr 1948.

Sales Agency
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Hq, USAMCARIB
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POLISH, per, Motor, No 12, 21-28 Mar 1953, p 9.

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47, 48, 49, 50, 51. 16-22 Oct 1953.

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The Soviet service Bus GZA-691, 2 pp. UNCLASSIFIED

POLISH, Prz. Motor. No 20, 14-28 May 1954, p 10,
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AP 630573

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CIA ID 81638

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New Panel Wagon M-20, 2 pp.

POLISH, per, Motor, No 34, 25 Aug 1957.

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POLISH, per, Motor, 13 Jul 1958, p 12.

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POLISH, per, Motor, 17 Aug 1958, p 3.

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How Shall We Transport Cement?, 6 pp.

POLISH, per, Motor, No 11, 1958, pp 265, 266.

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EEur - Poland

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The Chinese Are Motorizing, 2 pp.

POLISH, per, Motor, No 41 (338), 12 Oct 1953, p 7

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First Great International Motorcycle Race in the USSR,
by Gerhard Klocas, 7 pp.

DUTCH, par, Motor, Vol XLV, No 45, The Hague, 7 Nov
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Adventures in the Soviet Union, by Gerhard Klompe,
8 pp.

DUTCH, per, Motor, Vol XLV, No 46, The Hague,
14 Nov 1958, pp 1299-1301.

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USSR - Netherlands

Soc - Travel

Nov 59

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Specialized Rolling Stock for Needs of Domestic
Commerce, by W. Zakrzewski, J. Rostafinski, 8 pp.

POLISH, per, Motor, No 2, 1949, pp 35, 36.

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ID 2149817

EEur = Poland

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Polish Motorization in ~~King~~^O Figures, by A. Rostocki,
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Municipal Autobuses, 4 pp.

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ID 2144847

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Jacek R. Dehnel, ID 2128210.

POLISH, per, Motor, Vol VII, No 23, 1959, p 3.

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Of the Factory of Communication Equipment in Mielec,
by Jacek R. Dehnel, ID 2128210.

POLISH, per Motor, Vol VII, No 23, 1959, p 5.

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Running Model of the Motor Car Star 21, by
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What and in What Way Can Be Purchased Through the
Intervention of the PKO Bank, by Jacek R. Dehnel.

POLISH, per, Motor, Vol VII, No 23, 1959, p 11.

ACSI H-4965

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Tourist, by Stefan Kubiak, 2 pp.

POLISH, per, Motor, Apr 1960, p 10.

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EEur - Poland, Czech

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Position of Driver in Cab, 2 pp.

POLISH, per, Motor, 12 Mar 1961.

ACSI I-1296
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EEur - Poland
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Jul 64

Motor Continental Modelo W670-9A.

ENGLISH to SPANISH, Training Manual, Continental
Engine, Model W670-9A, TM 9-1726C, 25 Feb 1947.

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The DESU RO 80 Proves Its Legendary Reputation,
by Walter Ott.
GOVERNMENT USE ONLY
GERMAN, per, Motor und Bild, pp 6-7.
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July 69

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And Once Again - The V-1, by Hans Lembke,
Wolfgang Heydemann, 11 pp. UNCL

GERMAN, per, Motor Rundschau, No 15, 1948,
pp 171, 172.

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EUR - Germany

Sci - Aero

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Apr 59

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Enthusiasm for Automation in Armament Plants,
by Hainz Hardhoff, Joachim Fischer, 7 pp.

GERMAN, per, Motor-Rundschau, Vol XXI, 1958,
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Elmer - Germany

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WHAT IS THE EFFECT OF COMPOUND GLASS
TENSILE STRENGTH (Various Glass Types?) [1962]
16pp. (foreign text included)
Order from SLA 11.10

62-18826

Treat. of Motor-Forschung (West Germany) 1960,
v. 1, no. 12, p. 643.

DESCRIPTION: Glass, plates, windshields,
automotive, safety.

(Materials--Ceramics, TT, v. 9, no. 7)

62-18826

1. Piscator

Office of Technical Services

Motores Hercules: Serie JX Modelos B, C, D, E-3,
F y CB-JXD; Serie HX Modelos C y D; Serie RX Modelos
B y C; Serie WXL Modelos C y C-3.

ENGLISH to SPANISH, Training Manual, Hercules Engines:
Series JX Models B, C, D, E-3, F and CB-JXD; Series
HX Models C and D; Series RX Models B and C; Series
WXL Models C and C-3, TM 9-1832A, 2 Apr 1946.

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A. Accomplishments of the Soviet Automotive Industry, by Engr Jiri Tomsu; B. Trends in Sedans, by Engr R. Vykoukal; C. Cars on Our Market.

CZECH, per, Motoristicka Soucastnost, No 4, 1957, pp 348-362; 385-401; 420-429.

ACSI, H-0529, A, B, C

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Jul 58

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The Influence of Mixture Formation Methods
in Otto Aircraft Engines on Output,
Economy and Operation Reliability, by L.
Vohrer.

GERMAN, per, MTZ; Motortechnische Zeitschrift,
Vol. 2, 1939, pp 60-6.
SIA 77-55-10514

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The Operation of Diesel Engines on Gaseous Fuels With
a Combined Otto-Diesel Process, by M. J. Mehler.

HERMAN, per, Motortech Z, Apr 1940, pp 101-115.

B.I.C.E.R.A.

Tr No 52/T2 OT/231

Scientific - Engineering, diesel, fuels, operation,
engines

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Eckert, B.
COOLING BLOWERS FOR INTERNAL COMBUSTION
ENGINES (Kühlgebläse für Verbrennungsmotoren).
[1963] [15p] 14refs
Order from SLA \$1.60

TT-63-20788

Trans. of MTZ [Motortechnische Zeitschrift] (Germany)
1940, Oct, p. 316-327.

DESCRIPTORS: *Blowers, *Cooling, *Internal com-
bustion engines, Design, Cooling fans, Air-cooled,
Water.

(Machinery--Engines, TT, v. 11, no. 4)

I. Eckert, B.

Office of Technical Services

THE POSSIBILITIES OF FURTHER DEVELOPING THE DI
ESEL ENGINE - AUTOMOBILES

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MOTOR TECHNISCHE ZEITSCHRIFT JAN 1941 NO 1-2
VOL 6 PP 3-11

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Kimmel, A.
INFLUENCE OF THE MASTER-AND LINK ROD
SYSTEM ON THE TORSIONALS OF V-ENGINES.
[1963] 6p
Order from SLA \$1.10

TT-63-16653

Trans. of MTZ; [Motortechnische Zeitschrift] (Germany)
1941, v. 3, p. 18-22.
Another trans. is available from SLA as 58-931.

DESCRIPTORS: *Airplane engines, Engine structures,
*Connecting rods, *Torsion bars,

(Machinery--Engines, TT, v. 11, no. 3)

TT-63-16653

I. Kimmel, A.

Office of Technical Services

The Measurement of the Ignition Lag of
Compressed Fuel and Air Mixtures for the
Purpose of Investigating the Tendency
to Knocking, by M. Scheuermeyer.

GERMAN, per, Motortech Z., Vol V, No 8-9,
1943, pp 229-235.

ASLIB-GB39

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The Nutsbach Method for the Graphical Analysis of
Natural Torsional Oscillations, by W. Beck, 13 p.

GERMAN, per, MIZ, Motortech Zeit, 1943, Vol V,
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SLA 59-17724

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Benz, Walter.
NECKED TENSION BOLT, STRAINS AND STRESSES.
TORQUE WRENCH (Dehnschraube, Spannkraft,
Drehmomentschlüssel). [1963] [18p] (foreign text in-
cluded) 3 refs
Order from SLA \$1.60

63-20281

I. Benz, W.

Trans. of MTZ: Motortechnische Zeitschrift (West
Germany) 1948, v. 9, no. 3, p. 33-36.

DESCRIPTORS: *Bolts, Design, Mechanical properties

(Machinery--Machine Parts, TT, v. 10, no. 12)

Office of Technical Services

Photoelasticity in Engine Construction,
by Georg Oppel. GOVERNMENT USE ONLY
GERMAN, per, Motortechnische Z, Vol X, No 6,
1949, pp 126-133. 9695514
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Sci - Eng
Jan 65

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Experiences With Exhaust Gas Oxygen Operation in the
Otto Engine, by Prof Dr Ing Otto Halfelder, 13 pp.

Material: engine test script
GERMAN, per, ~~M. T. 2.~~ Vol XIII, No 1, Jan 1952,
pp 4 - 9.

OYA/FID Z-13

Scientific - Engineering

Jul 52 CTS

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ASCIL Tr 546

Exhaust-Gas Turbines and Turbochargers Made by the
Holzwarth Gasturbinen-GmbH, by H. Keller.

motoren- und Turbinenbau
GERMAN, MITL, pp 38-40, 61-63, 1952.

B.I.C.E.H.A. Trans 52/T3, OT/353

EEur - Germany
Scientific -

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The Acceleration Characteristics of a Diesel
Engine With Exhaust-Gas Turbocharger⁶, by K. Zinner
GERMAN, ^{motorische landwirtsch. zeitschrift} ~~HEE~~, 1952, pp 41-44, 64-66.

Translation issued by B.I.C.E.N.A. 52/T4
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The Prediction of Performance of Exhaust-Gas
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GERMAN, per, Motortechnische Z, 1953, pp 149-155.

Sci - Engr

Jan 61

BICER/A
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Ministry of Aviation
TIL 1(a)
First Avenue House
High Holborn
London, WC.1, England

137,370

Lampe, Curt.
BASIC OUTLINE OF THE DEVELOPMENT OF
DIESEL LOCOMOTIVES BY THE GERMAN FEDERAL
RAILROADS. [1963] [8p] 5refs
Order from SLA \$1.10

TT-63-16629

Trans. of MTZ; Motortechnische Zeitschrift (West
Germany) 1953, v. 14, no. 6, pp. 225-228.
Another trans. is available from SLA as 58-876.

DESCRIPTORS: *Railroads, *Locomotives, *Diesel
engines, Power equipment.

(Machinery--Transport, TT, v. 11, no. 4)

TT-63-16629

I. Lampe, C.

Office of Technical Services

63-16440

DIESEL-HYDRAULIC 1220/1100 HP KRUPP LOCOMO-
TIVE WITH SINGLE AXLE DRIVE. [1963] [6]p.
Order from SLA \$1.10 63-16440

Trans. of MTZ [*Motortekhnische Zeitschrift*] (West
Germany) 1953, v. 14, no. 8, p. 254-256.
Another trans. is available from SLA as 58-875.

DESCRIPTORS: *Locomotives, Drives, *Automatic
transmissions, Diesel engines, Design, Hydraulic
systems.

(Machinery--Transport, TT, v. 10, no. 8)

Office of Technical Services

Operating Temperatures at the Injection Nozzles
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GERMAN, per, Motortech Z., Vol XIV., No 11, 1953.
pp 317-323.

Assoc Tech Serv
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Brief Analysis Concerning White Metal and Lead-Bronze Alloys for Bearings, as Well as Bearing Troubles, by Hans Betz. UNCLASSIFIED

GERMAN, per, MTZ, Vol XIV, 1953, pp 359-363.

Metalltechnik

*Navy Tr /BuShips

Scientific - Minerals/Metals

Experiments on Heat Transfer in an Otto Engine, by
Brosinsky, H. J.

GERMAN, per, Motortech, Z., Vol XV, No 3, ^{Mar}1954,
March, pp 61-69.

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Sci - Engineering, Electricity

(S 1320)

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Buschmann.
THE "M" PROCESS USED IN DIESEL ENGINES
PRODUCED BY M. A. N. NURNBERG. 26 July 54 [6]p.
Order from SLA \$1.10 63-16443

Trans. of MTZ [Motor-technische Zeitschrift] (West
Germany) 1954, v. 15, no. 4, p. 105-106.
Another trans. is available from SLA as 58-897.

DESCRIPTORS: *Diesel engines, Combustion,
*Combustion chambers, *Pistons, *Fuel injection,
Design, Lubrication.

(Machinery--Engines, TT, v. 10, no. 8)

Office of Technical Services

Boosting the Power Output of Two-Stroke Engines
With Exhaust Gas Turbo-Supercharging, by Baumann.

G.

GERMAN, per, Motortech. Z., Vol XV, No 7, July 1954,
pp 189-199.

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Sci - Engineering, Electricity

(#1835)

Knowledge on the Subject of Wear, by
Hans L. Hockel, 11 pp.

GERMAN, per, Motoren Tech Zeit, Vol XV, 1954,
pp 70-75.

25,762 CIA/FDD/Z-154

Scientific - Engineering

Aug 55 CTS/DEX

The Westfalen Oil-Separator With Self-Emptying
Drum for the Purification of Heavy Oils for Ship-
board Use, by H. Hemfort, 4 pp.

GERMAN, per, Motortechnische Zeitschrift, Vol XV,
No 7, Jul 1954, pp 201-203.

CIA/FDD/Z-141

Scientific - Fuels

CTM 67/Apr 1955

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Suppression of Body and Hull Noises by Elastically
("Floating") Mounted Motors and Engines, by
Erich Stolte.

GERMAN, per, Motortechnische Zeits, Vol XV, No 11,
Nov 1954, pp 316-322.

NAVY Tr 1325/BuShips Tr 607

Sci - Engineering

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May 1956

62-18798

Eckert, Bruno.
TRENDS AND PROSPECTS OF GAS TURBINE DEVELOPMENT PARTICULARLY FOR NON-STATIONARY INSTALLATIONS. [1962] [63]p. 8 refs.
Available on loan from SLA

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I. Eckert, B.

Trans. of MTZ; Motortechnische Zeitschrift (West Germany) 1955, v. 16, no. 2, p. 32-42 and no. 3, p. 68-73.

DESCRIPTORS: *Gas turbines, Economics, Combustion chambers, Thermal stresses, Aircraft, Marine engines, Locomotives, Power plants, Propulsion, Effectiveness.

(Machinery--Engines, TT, v. 8, no. 12)

Office of Technical Services

Comparative Experiments and Observations on Use
of Heavy Oil, by W. Pflaum, 38 pp.

GERMAN, per, Motortech Z., Vol XVI, 5 May 1955,
pp 117-123.

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Sci - Mech Engr

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Scherenberg, H.
25 YEARS OF GERMAN GASOLINE INJECTION IN
RETROSPECT. [1962] [37]p.
Order from SLA \$3.65

62-18797

Trans. of MTZ [Motortechnische Zeitschrift] (West
Germany) 1955, v. 16 [no. 9] p. 245-254.

DESCRIPTORS: *Fuel injectors, *Internal combustion
engines, Vehicles, *Airplane engines, Fuel consump-
tion, Fuel pumps, Valves, Nozzles, Control.

(Machinery--Engines. TT, v. 10, no. 1)

62-18797

1. Scherenberg, H.

Office of Technical Services

Investigation of Hydrodynamic Couplings, by U. Oprecht.

GERMAN, per, MTZ, Vol XVI, 1955, pp 285-290.

DSIR/28735/CT

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Sep 57

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The Production of Cast Blades and Bladed Rotors
by the Sulzer Precision Casting Process, by F.
Eisermann.

GERMAN

RUSSIAN, per, MTZ, Vol XVI, No 11, 1955, pp 319-
326.

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Sci - Engineering

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Aug 1956

Hrynyszak, Waldemar.

THE PRESENT STATE OF GAS TURBINE DEVELOPMENT (Derzeitiger Stand der Gasturbinenentwicklung). [1962] [90]p. (foreign text included) 59 refs.
Order from SLA \$3.10

62-18742

Trans. of MTZ [Motortekhnische Zeitschrift] (West Germany) 1956; v. 17, no. 1, p. 16-28; no. 2, p. 53-58; no. 3, p. 32-90.

DESCRIPTORS: *Gas turbines, Design, *Fuels, Coal, Fuel oil, Natural gas, Petroleum, Fuel consumption, Combustion chambers, Exhaust gases, Industrial plants, Power supplies, *Gas generator engines, *Airplane engines, *Marine engines, *Locomotives, *Passenger vehicles, Propulsion, *Turbine parts, Bibliography

(Machinery-- Engines, TT, v. 10, no. 1)

62-18742

1. Hrynyszak, W.

Office of Technical Services

Durability of Mechanically Stressed Parts in
Combustion Engines with Examples from Practical
Experience, by M. von Kienlein.
GERMAN, per, MTZ, Vol 17, Feb 1956, pp 33-38.
*DISI 7347

Sci/Materials
Jun 69

384,513

Fuel Tolerance of the Air Cooled MWM Single-
Cylinder Diesel Engine AKD 312 With Constant-
Pressure Precombustion Chamber, by K. Kollmann.

GERMAN, per, Motortechnische Z., Vol XVII,
No 8, 1956, pp 259-264.

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Sci - Engr
Aug 62

211, 467

62-18794

Löhner, K., Döhring, E., and Chore, G.
TEMPERATURE VARIATIONS ON THE INTERNAL
CYLINDER SURFACES OF COMBUSTION ENGINES
(Temperaturschwingungen an der Innenwand von
Verbrennungskraftmaschinen). [1962] [27]p. 6 refs.
Available on loan from SLA 62-18794

Trans. of MTZ [Motortechnische Zeitschrift] (West
Germany) 1956, v. 17, no. 12, p. 413-418.

DESCRIPTORS: *Internal combustion engines, *Engine
cylinders, Surface area, Temperature, Periodic variations,
Cylinder liners, Thermal stresses.

(Machinery--Engines, TT, v. 8, no. 12)

I. Löhner, K.
II. Döhring, E.
III. Chore, G.

Office of Technical Services

62-22840

Vogel, Karl.
BENZENE INJECTION AND OCTANE NUMBER. [1962]
38p.

Order from K-H \$47.50

K-H 5413

Trans. of MTZ [Motorotechnische Zeitschrift] (West
Germany) 1956, v. 17, no. 9, p. 306-313.

DESCRIPTORS: *Benzenes, Injection, Octanes, *Fuels.

(Materials--Fuels, TT, v. 9, no. 1)

- I. Vogel, K.
- II. K-H-5413
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Thermal Processes in the Cylinder of a Diesel
Engine During Starting, by H. Baumlör.

GERMAN, per, Motortechnische Z., Mar 1957, pp
61-64.

ASLIB-QB13

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Jul 59

92, 548

Measurements of Exhaust Gases in Diesel Engines
by H. Stoll, H. Bauer, 24 p.

GERMAN, pub, NTZ, 1957, Vol XVIII, No 5,
pp 127-131.

SLA 59-17621

Sci.
Apr 60
Vol III, No 3

111, 966

Contribution to Improved Combustion in Ante-
Chamber Diesel Engines, by F. Nagas,
Kakinoto.

GERMAN, per, Motortechnische Z., Vol XVIII,
1957, pp 301-306.

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Gadow, J.
LARGE SIZE OIL COOLED LIGHT METAL PISTON
(Leichtmetall-Großkolben mit Ölkühlung). [1962]
[10]p. (foreign text included).
Order from SLA \$1.10

62-18740

Trans. of MTZ, [Motor-technische Zeitschrift] (West
Germany) 1957, v. 18, no. 11, p. 363-365.

DESCRIPTORS: *Pistons, Aluminum castings, Cooling,
*Coolants, *Oils, Internal combustion engines.

In a short survey is described how cooling of light
metal pistons can give improved performance in
internal combustion engines. From the many possible
solutions a few have been selected, which are em-
ployed successfully for series equipment and the
realization of which is economical. Besides several
cooling methods for cast aluminium pistons also a
(Machinery--Machine Parts, TT, v. 9, no. 12) (over)

J. Gadow, J.

Office of Technical Services

Contribution to the Question of the Efficacy
of Diesel Fuel Additives, by Masureur.

OSERMAN, per, Motartechnische Z., Vol XVIII,
No XX, 12, 1957.

CSIRO

Sci - Fuels
Aug 62

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Cooling of Gas Turbine Discs, by I. T. Schwen,
E. P. Dyhan.

GERMAN, par, Motortechnische Zeitschrift, Vol XVIII,
No 12, 1957, pp 394-396.

C.S.I.R.O.

Sci

May 60

115,756

Approximate Method for the Rapid Design of
Turbochargers for 2-Stroke Diesel Engines, by
A. Reinhart.

GERMAN, per, Motortechnische Zeitschrift, Vol. XIX,
No 1, 1958, pp 2-9.

C.S.I.R.O.

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May 60

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The ~~INVERT~~ Multi-Fuel Diesel Engine, by Richard
Kloss, 19 pp.

GERMAN, par, Motortechnische Zeitschrift, Vol XIX,
No 9, 1958, pp 299-303.

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ATTC F-EE-9783/V

Sai - Kagr
Apr 59

85,011

Combustion Bomb Tests of Diesel Combustion
Under Engine Conditions, by A. Fischinger,
P. Fischinger, 17 p.

GERMAN, per, MTZ; Motor Zeit, 1959, Vol XX,
No 1, pp 1-4.

SLA 59-17519

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Vol 2, No 8

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Investigations of the Temperature Pattern in the
Cylinders of Air and Water-Cooled Farm Tractor Diesel
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GERMAN, per, Motortechnische Zeitschrift, Vol XX,
No 3, Mar 1955, pp 73-81.

Navy 2548/BuShips 687

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The Rural-Perimatic Piston, a Modern Operating
Piston for Diesel Engines, by Helmut Irmeler,
For GOVERNMENT USE ONLY.

GERMAN, per, MTZ-MOTORTECHNISCHE ZEITSCHRIFT,
No. 3, pp 90-93.

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Sci/Mech Eng.
Jan 68

345,938

R-392-N, B

Kraftstoffeinspritzung und Verbrennung in der
Wirbelkammer des Dieselmotors.

GERMAN, per, Motortech Z, Vol XX, No 6, 1959, pp
303-305.

*JPRS for Hq, USArmy Ord Ars Det

21 Oct 60

Maybach-Mekydro-Power-Transmissions for Medium
and High Capacity Diesel-Hydraulic Locomotives,
by Friedrich Koch, 37 pp.

GERMAN, per, MIZ Motortechnische Z, Vol XX, No 7,
1959, pp 268-275.

SLA 60-14500

Sci

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OTS, Vol III, No 12

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R-466-N/B

Fuel Injection and Combustion in the Swirl Chamber
of the Diesel Engine, by F. Nagas, Kakimoto.

GERMAN, per, Motortechnische Z, Vol XX, No 8,
1959, pp 183-305.

*JPRS for Hq, US Army Ord Ars Det

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Fuel Injection and Combustion in the
Swirl Chamber of a Diesel Engine, by F. Nagao,
H. Makimoto.

GERMAN, per, Motortechnische Z., 1959,
Hpp ~~UNCLASSIFIED~~ 303-305.

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Sci - Engr
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Turbo Cooling, by Fritz Ehrhart, 13 p.

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